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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/801,492	03/08/2001	Michael E. Baskey	POU920010012US1	4752

7590 03/17/2005

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EXAMINER

DADA, BEEMNET W

ART UNIT	PAPER NUMBER
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2135

DATE MAILED: 03/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/801,492

Applicant(s)

BASKEY ET AL.

Examiner

Beemnet W Dada

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. This office action is in reply to an amendment filed on October 08, 2004. Claims 5, 12 and 18 have been amended and new claims 27-30 are added. Claims 1-30 are pending.

Response to Arguments

2. Applicant's arguments, filed October 08, 2004, with respect to the rejection(s) of claim(s) 1-26 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 3-4, 6-8, 10-11, 13-14, 16-17, 19-20, 22-23 and 25-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gulick et al US Patent 6,314,501 B1 (hereinafter Gulick) in view of Kung US Patent 5,241,594.

5. As per claims 1, 8, 14 and 20, Gulick teaches a portioned processing system for allowing different partitions to communicate with one another through shared memory, comprising:

a client application [fig 22, application 2208a] in first partition [figure 22, partition 2202a],
and a server application [fig 22, application 2208n] in second partition [figure 22, partition

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2202n], where said client application issues requests and said server applications issues responses using shared memory (i.e., using assigned exclusive memory window referred as "local memory space" and allocated part of shared memory) [column 33, lines 39-65]. Gulick is silent on authorization requests. However authorization/authentication requests within client/server systems is old and well known in the art, which enhances security of a system. for example, Kung discloses sending a request for authorization by a security client [column 4, lines 60-63 and column 5, lines 60-62], transmitting the request for authorization from the security client to a common security server [column 5, lines 1-5 and column 5, lines 62-65], and transmitting a second response from the security client to the user [column 5, lines 5-17 and column 6, lines 45-50]. Both Gulick and Kung disclose a system for transmitting request between client and server application. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the authorization request/response taught by Kung within the partitioned client/server request/response taught by Gulick, in order to further allow authentication within partitioned systems and further enhance security of the system.

6. As per claims 3, 10, 16 and 22, the combination of Gulick and Kung teaches the method as applied above. Gulick further teaches using shared memory between the first and the second partition [column 3, lines 39-65].

7. As per claims 4, 11, 17 and 23, the combination of Gulick and Kung teaches the method as applied above. Gulick further teaches memory-to-memory data mover [column 33, lines 39-65 and column 34, lines 16-34].

8. As per claims 6, 7, 13, 19, 25 and 26, the combination of Gulick and Kung teaches the method as applied above. Gulick further teaches the method wherein the client application issues requests and the server applications issues responses using shared memory [column 33, lines 39-65].

9. As per claims 27-30, the combination of Gulick and Kung teaches the method as applied above. Gulick further teaches the method further comprises, storing requests in shared location, signaling a request has been stored and retrieving the request from the shared memory [column 33, lines 39-65 and column 34, lines 16-34].

10. Claims 2, 5, 9, 12, 15, 18, 21 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gulick et al US Patent 6,314,501 B1 in view of Kung US Patent 5,241,594 as applied above and further in view of Hu US Patent 5,586,260.

11. As per claims 2, 9, 15 and 21, Gulick-Kung discloses the limitations as described above. Kung further discloses authentication of users for different applications [column 2, lines 11-24]. However Gulick-Kung is silent on each application having different security protocols. Hu discloses a means of securing an information processing system wherein

b1) signaling by the security client, a first program to start a proxy client (proxy server column 4, lines 5-16); and

b2) transmitting the request from the proxy client to the security server (gateway system, fig 2, column 4, lines 12-22).

Both Gulick-Kung and Hu disclose an information processing system running multiple processes. It would have been obvious to one having ordinary skill in the art at the time the

invention was made to combine the proxy client of Hu within the Gulick-Kung combination because it would have enhanced the authentication of clients to different security protocols, thus solving the growing evolution of security mechanism in distributed systems.

12. As per claims 5, 12, 18 and 24, Gulick-Kung discloses the limitations as described above. As for a program call by the proxy client using an interface native to the security server, Kung further discloses authentication of users for different applications [column 2, lines 11-24]. However Gulick-Kung are silent on each application having different security protocols. Hu discloses a means of securing an information processing system using such a proxy in aiding client authentication [column 2, lines 13-19 and column 4, lines 5-16]. Both Gulick-Kung and Hu disclose an information processing system running multiple processes. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the proxy client of Hu within the Gulick-Kung combination because it would have enhanced the authentication of clients to different protocols, thus solving the growing evolution of security mechanisms in distributed systems.

Conclusion

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Beemnet W Dada whose telephone number is (571) 272-3847. The examiner can normally be reached on Monday - Friday (9:00 am - 5:30 pm).

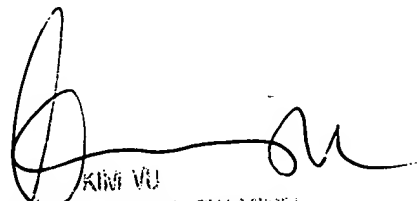
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Y Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Beemnet Dada

March 14, 2005



KIM VU
SUPERVISORY PATENT EXAMINER
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